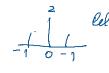
## Erik 2024-05-31

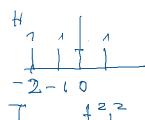
Friday, May 31, 2024 4:53 PM

H T

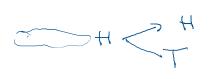


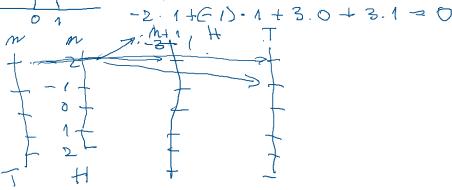


HHH



P+= 18 7 P0= 3 8



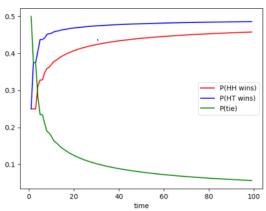


$$h(e_1 t + 1) = h(k+1, t) + t(k_1 t)$$
  
 $t(k_1 t + 1) = h(k-1, t) + t(k_1 t)$   
 $P(H\Gamma) - P(HH) \sim \frac{1}{2\sqrt{10}}$   
 $H = \frac{1}{10}$ 

## Probability of HT-HH



Probability of HT/HH win or tie



0.12

0.10

0.04

0.00

 $f(x) = \frac{a_0}{2} + \frac{8}{8}a_1 \sin \frac{2\pi}{3} + \frac{8}{5}b_1 \sin \frac{2\pi}{3} \times$ 

$$x \in (-L(L))$$

$$a_{k} = \frac{1}{L} \int_{0}^{L} f(x) \cos \frac{2\pi}{L} ex dx, \quad k = 0,1...$$

$$b_{k} = \frac{1}{L} \int_{0}^{L} f(x) \sin \frac{2\pi}{L} x dx$$

$$c = \frac{2c}{2} + \sum_{k} a_{k} \cos \frac{2\pi k}{L} x + \sum_{k} b_{k} \sin \frac{2\pi k}{L} x$$

$$\frac{\partial c}{\partial t} \cos \frac{2\pi k}{L} x = D \frac{\partial^{2}}{\partial x^{2}} \cos \frac{2\pi k}{L} x dx$$

$$\frac{\partial c}{\partial t} \cos \frac{2\pi k}{L} x dx = D \frac{1}{D} \frac{\partial^{2}}{\partial x^{2}} \cos \frac{2\pi k}{L} x dx$$

$$\frac{\partial c}{\partial t} \cos \frac{2\pi k}{L} x dx = D \frac{1}{D} \frac{\partial^{2}}{\partial x^{2}} \cos \frac{2\pi k}{L} x dx$$

$$\frac{\partial c}{\partial t} \cos \frac{2\pi k}{L} x dx = D \frac{1}{D} \frac{\partial^{2}}{\partial x^{2}} \cos \frac{2\pi k}{L} x dx$$

$$\frac{\partial c}{\partial t} \cos \frac{2\pi k}{L} x = \frac{2\pi k}{L} \frac{\partial c}{\partial x^{2}} \sin \frac{2\pi k}{L} x$$

$$= -\left(\frac{2\pi k}{L}\right)^{2} \cos \frac{2\pi k}{L} x = \frac{2\pi k}{L} \frac{\partial c}{\partial x^{2}} \cos \frac{2\pi k}{L} x$$

$$\frac{\partial c}{\partial x^{2}} \cos \frac{2\pi k}{L} x = \frac{2\pi k}{L} \frac{\partial c}{\partial x^{2}} \sin \frac{2\pi k}{L} x$$

$$= -\left(\frac{2\pi k}{L}\right)^{2} \cos \frac{2\pi k}{L} x = \frac{2\pi k}{L} \frac{\partial c}{\partial x^{2}} \cos \frac{2\pi k}{L} x$$

$$\frac{\partial c}{\partial x^{2}} \cos \frac{2\pi k}{L} x = \frac{2\pi k}{L} \frac{\partial c}{\partial x^{2}} \cos \frac{2\pi k}{L} x dx$$

$$= -\left(\frac{2\pi k}{L}\right)^{2} \cos \frac{2\pi k}{L} x = \frac{2\pi k}{L} \cos \frac{2\pi k}{L} x dx$$

$$\frac{\partial c}{\partial x^{2}} \cos \frac{2\pi k}{L} x = \frac{2\pi k}{L} \cos \frac{2\pi k}{L} x dx$$

$$= -\left(\frac{2\pi k}{L}\right)^{2} \cos \frac{2\pi k}{L} x = \frac{2\pi k}{L} \cos \frac{2\pi k}{L} x dx$$

$$= -\left(\frac{2\pi k}{L}\right)^{2} \cos \frac{2\pi k}{L} x = \frac{2\pi k}{L} \cos \frac{2\pi k}{L} x dx$$

$$= -\left(\frac{2\pi k}{L}\right)^{2} \cos \frac$$

$$\ln y(\xi) - \ln y(0) = -k t$$

$$y(\xi) = y(0) e^{-kt} e^{t}$$

$$C(x_{1}0) = \int_{C_{1}}^{C_{1}} e^{t} \times dx$$

$$C(x_{1}0) = \int_{C_{1}}^{C_{1}} e^{t} \times dx = 0$$

$$= \int_{C_{1}}^{C_{1}} \int_{C_{1}}^{C_{2}} \cos \frac{2\pi k}{L} \times dx + \int_{C_{1}}^{C_{2}} \cos \frac{2\pi k}{L} \times dx$$

$$\int_{C_{1}}^{C_{2}} \cos \frac{2\pi k}{L} \times dx = 0$$

$$\int_{C_{1}}^{C_{2}} \cos \frac{2\pi k}{L} \times dx = 0$$

$$\int_{C_{1}}^{C_{2}} \cos \frac{2\pi k}{L} \times dx = 0$$

$$\int_{C_{1}}^{C_{2}} \cos \frac{2\pi k}{L} \times dx = \frac{L}{2\pi k} \left[ \sin \frac{2\pi k}{L} \times \right]_{-L}^{\infty} = 0$$

$$e_{0} = \int_{C_{1}}^{C_{1}} \int_{C_{1}}^{C_{2}} c(x_{1}0) dx = \int_{C_{1}}^{C_{2}} dx + \int_{C_{2}}^{C_{2}} dx = 0$$

$$C_{1} + C_{2}$$